

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO 204	Early	LPZ-153	GGTGCGATCCAGGACATGAGGCCGAGTTTGCCATTGTGATATGATTGAGGAAGTC CAGTCTCAAAATTAGGTTTATCTTGATGTTTGACAAGAAATATAGAAGGGCATGATG AATCAAGAACCTTTTCCAAATCTGTTACTGCAACCAATCCAATGACATAATAACGCC AATGGTTGGTTCCTGTGATGACATAATAAATTGGATTAAATTAATAACATCCCTAATG CCATGTGGTTAGCTGCATCATCACCCTATCCATCGAGTGTTCAATTTTTGGGATGTA TGTATCAAAAAA
SEQ ID NO:205	Early	LPZ-154	AAATATTTTTCAATACAACGCCATGTGACATTTTTGTGCTTCTTGTTTTGATACATA CTTCCAAAACTGAACACTCGATGGATACGGTGATGATGCAGCTACAGCCATTGCA TTACGATGTTACTAAATTAATCAATTTATTATGTCATCACACGAACCCAAACAATAG CGCTATATGTCATTAGAAATGGTTGCAGTTACAGATCTGGAACAGATCAATGAATCA TCATGCCCTCTATATCTTTGTCAAACATCAAGATAAACCTAATTTTTGAGGACTGGA CTTCCTCAACATATCACAATGGCAAACCTCGGCCTCATGTCCTGGATCGCAC
SEQ ID NO:206	Middle	LPZ-155	GGTGCGATCCGTATAGGTAGTTTGGATGATGAACGGGCAAAGAAGGCCAAAGGAGT ACAGGATGGATCCTGTAATTCCTGTTTCAGAAAACAGAAAATCTGCAATATAAGGAT GGCTAACTTTTCAGCTATGAAAATATATGGTGCAGTGGCACTCATATCAGTTGCAGA GTTGTGAAATAACTTTTGTGAATAGGAAAGTTTTCTGTTTTAGAATGCAGAAATCC TGCAATATAAGATGGCTAAGTTTTTCAGCTATATGAAAATATATGGTGCAGCAGAGT TGTCAATATAAACTTGTGAATAGGGAAGTTTTGGCAAAAAAAAAAAAAAAAAAGAAAAA AAAA
SEQ ID NO.207	Late	LPZ-157	GGTGCGATCCTCGTTGTGAAGACGTAGTGATGGAAAGGTCATGTTTGTAGGAGAC ATAATTATAGGAGTTTCTTTATTATAATAACCAAGAAGTCCGATCCTGGGGGCGTTG AGTATATAGTCAGTCTTTGGTAATTTGGTGTGGTGCTGTTTGACCTGCCTTTCTTT GGAGCAATGATCCTTGAGGATGGAAGAGGTTATGTTGAGGCTCAAGAGATGATTGT TTGAGTTGTGGAAAGCAAAGGTTTCCAGATGTAGTCAGATAGTAACTTCTATGCTT TTAATAAAATTTAGTCTGTGGGGCATGCCCTTTTTGCTGGCAAAAAAAAAAAAAAGAA AAAAAAAAA
SEQ ID NO:208	Late	LPZ-158	GGTGCGATCCGTATAGGTAGTTTGGATGATGAACGGGCAAAGAAGGCCAAAGGAGT ACAGTGATGGATCCTGTAATTCCTGTTTCAGAAAACAGAAAATCTGCAATATAAGGA TGGCTAAGCTTTTCAGCTATGAAAATATATGGTGCAGTGGCACTCATATCAGTTGCA GAGTTGTGAATATAACTTTTGTGAATAGGAAAGTTTTCTGTTTTAGAATGCAGAAA TCCTGCAATATAAGGATGGCTAAGTTTTTCAGCTATATGAAAATATATGGTGCAGCA GAGTTGGAAAAAAAAAAAAAAAAAAAAAAAAA
SEQ ID NO:209	Middle	LPZ-162	GGTGCGATCCCAGGAGAATATTAGTTTCATGTGTTGCTATCATTTTCTTCAATATGC AGGGCAACCATTGGAATGAACTATTCTTTTCAATTTCAAAACTTAATAGGCTAA CTTATCTATCTGGAGCCGATTTTCATTGACGAGTAACCTGTAAGCTGGCCAGCAAA AGCCAACAGATGTTTCAGCTTGTGGAACCAAGTTGAAGATTGTAATAGAGATGGTGA ATAATCGCGGACGGCTCGGCCAATGGAATATTTGTTGCATCATCATCAAGGGGGTA TGAATTCCAAAGAACTTGTGATTGAAATCCCAAGCAAATTCTGTGAAATGAAAA ATTTATTGAGACCATTGGGCAAAAAAAAAAAAAATAAAAAAAAAAAAA
SEQ ID NO:210	All	LPZ-165	GGTGCGATCCGACTGTGATATGTGACTGGTGAACGAGAGATCCTTCTTATGAATTA ATCTGGTATCTTTATGCGAAAGCTTCTAGGGTTGCTACATGCTTCCATTCTAATATC AGTCTCTGTGATATCAGAGGCCTTCAAATATTGAACAGTTTTCTTTAGAATTCCAAA CTGGGAATTTTTATTGTATAGCCATGTTTTCACGGATTGTCTGCAAGAAGGCTCTTT GGCAAAAAAAAAA
SEQ ID NO.211	M,L	LPZ-166	TTTTTTTATTTTTTTTTTTTCCAACGAGATCACTGTCATTGTTCAATAACTATATGCCA AAGAGCCTTCTTGACAGACAATCCGTGAAAACATGGCTATACAATAAAAATTCCCAGT TTGGAATTCTAAAGAAAACCTGTTCAATATTTGAAGGCCTCTGATATCCCAGAGACTG ATATTAGAATGGAATTCATACAAATGAGGAGAGCATGTAGCAACACTAGAAGCTTT GGCATAAAGACACCAGATAAATTCATAAGAACTAAATCCATAAGAAGGATCTCTCGT TCACCAGTCACATATCATACTCGGATCGCACC

LAW OFFICES

FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:212	Middle	LPZ-167	GGTGCGATCCGACTGTGATATGTGGCTGGTGAACGAGAGATCCTTCTTATGAATTA ATCTGGTATCTTTATGCGAAAGCTTTTAGGGTTGCTACATGCTCTCCTCTTTTGTAT GAATTTCCATTCTAATATCAGTCTCTGTGATATCAGAGGCCTTCAAATATTGAACAG TTTTATTTAGAATTCCAAACCTGGGAATTTATTGTATAGCAATGTTTTACGGATTGTC TGCAAGAAGGCTCTTTGGAAAAAAAAAATAAAAAAAAAAAAA
SEQ ID NO 213	Middle	LPZ-169	TCCCAAAGGCAATTATACATGGATCGCACC
SEQ ID NO:214	All	LPZ-170	GGTGCGATCCCCACTGCAGAAAGATGAGCCAGTACCCTGAAATTTTGCTGTTGTCC ATGCCTGGGTACACGGAGGAAAGAACGGCAGGTGCAATATGATTTTGCTACATACA AGTTCCAAGAGTGGATGCAGACAGTGCTGGCCATGGCTGATTATTTGCAGGTGACT AATGCTCTTTTGGTTATCCTTACCATCATCATCTTCTGCCATTCTTTTGTACCTCGG TATGGAGACGAACACCCACTTTTCAAAGTTTGCAGAGGAAGCATGTATTCATAACA GGAGGATCAAGCGGCATTGGCCTTGAGATTGCCAAAGAGGCTCTTTCACAGGGTT CTTACGTGACACTGGCGTCAAGAAATCTTTCTAACTTCGTAGGGCTGTTGAAGAA ATCATCCAAGAAGTGGAGTGGCAGCGAGACAAGATTAATATCAAGGTAATATACCC TGCAAAATGTTGTCTGGAATACAATCCAAACCAATTTAGCAATTAACCCATTGGCA AAAAAAAAAAAA
SEQ ID NO:215	All	LPZ-171	GGTGCGATCCAAGTGCGGTATTCTTCCTTTGGCAGTTCTCTGAACTGTTGAGAGAA TTTGAGTAGGATAACGACAATAATTACTATGCTCACAAGCCCAGACAACACGAATAG ACTCCCTTCCGTGCGTCGCCTTCCAGAGGACGCAGCAGCTAAAATCTCGGCCTGA CTCACCACATATATATTTAATAGCTTGTATATGCCATATGAACTGTTAGCATGATCTC CCTCTAACTGCGAATTGTGTTGCTGTAACTAATCCCAAAGGATGTTTACTCTGTTG CTTTTCCAAGTCTGATGGATTTGCTCATACAATGACCCGAGAGCACCATAAACCT ACCCAGCGTTGTGGCCTATGACCCATAGCTTTTTTGTTCGCACAGCAATTGAAGACC GGCTACAGGAGATGACTAATGCACTTCCGAGAAGGTTTCACCGCGAATGACAGGG AAGGACAAGGCAGAGCAGCAGGCCAAGACAGCTTTAGTCGCAGAAGTTCAAGCAG ATCTAGATTCATAGTAAATGGAAGTTCTACACTAGTTACAAATTTAAAACGTACCTG CATGGACTACACGGTTTATTTACGAGTGCCACTTGTCTCATTGTTTTCCATCAGATG TCTGCTGGATTGTGGTAGTGTGTTCTACCGTATCGGTGCGGGTTTTGTATATTGTG CGTCGACAGAGTGACAGGTGGTGATTTTACTGGCAAAAAAAAAAACAAAAAAAAA A
SEQ ID NO:216	Late	LPZ-172	GGTGCGATCCTAGTACAGGCGTTTGAACAGAGTGGAGAATATGTGGAGTATTGG GGGATGCCCCCGGTCTGTGTTGCTGCGTTTGGGAATTTGTATTTCTTCCATAGGC AACAAGTGATGTCTTATAATAGTAAAGAGAATGTTTGGGAAGTGGTGGCATCTCTTC CTGGAGACATGAATATTGTTACTTTGCGCAACAGTGTGGTGTGACAAGATATTTGT GAGCGGTTGTGCTTGCAGTGGCGGCGATCAGGTGTGTTACATGCTGGACAAATCT TGGGCGTGGGCTCCTATTGAGAGGTCACATGAGTTTGAAGGTTTTGCTCAGTCTG CAATAACTGTAGAGATATGAGCAAATCTGTTGGGTTCACTTAATTTTGGGATTATT ATAGTGCAGAGGGGAGCCGGGAAGTTTCAAGTGTACAGTGTGGGCACCACATGTT GCCAGCATTGGGGGTGCCCTGTGAATATGATTTCTATAAGTCCGGATTTTAAATATC TAGGCCATCTATCTCATCCAGCCTCTGATTGTGTCTGTACTAAATATATCCTGTATA TTCGTGATCCCTGGTTTTTGAAGTGAGCAAGTTTTAGTGGAAGAGGATTTTATTAAA TATATATAAAGTTTCTGTATTCAGGGTTTTGGCAAAAAAAAAAAAA
SEQ ID NO:217	Middle	LPZ-173	GGTGCAATCCGCCATAAGAGAGGCATACAGGAAAAAGAAGTACCTGCCTCTTGATT TGCGTCCCAAGAAGACTCGTGCTATCAGGTGACGCCTTACCAAGCATCAGGCATCA TTGAAGACTGAGAGACAGAAAAAGAAAGAGATGTATTTTCCAATGAGAAAGTATGC AGTCAAGGTGTAAAGCCATAGGATTTGAGCTTTCATGCAATTTTTTGTACTTGGC GGATGATATTGCCTATTATATTTCCGTCCACGTTTTTGGCAAATCCGATTGTCATC AGAATTCAAGTTATGATAGGTGTTCTTTGCTTTTGGCAGTTGATATTGTTTATCTT TATTTCTCTTGAATTGCGAACATATTCTAATGCAATGAGTGGATTATTATATTGTGGC AAAAAAAAAAAAAAAAAAAA

LAW OFFICES

FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO.218	Middle	LPZ-174	GCGGACGCCTCAGGATAGCGTTAGGGTTGCCTTAGGATAGCGTTAGCTCTGCCTT CTAAGGTTGCCGTCTTATCCTCCAGCGTCTAGGGCTTCCACTCCTAGGATTTCTCT TCCACTAAAACCCAAGACAAGTGGAGAGAAATCAAGATAGAAGTGTGTGTGAAATG ACTCTTAAGTCATCTCCTTTTAGACTAAACATTGAGCACATGTGGGGTTTATTGG TTGCTGGCCGTCGTT
SEQ ID NO.219	Middle	LPZ-175	GGTGCGATCCTGAAACAACATATTCCCGATGGCTCTTCCGAAGGAACCATTGCTCT ACTGTGTGGCCCTCCCCCATGATCCAAGATGCCTGCCTACCTAACCTGGCCAAAA TGAATTATGACATTCAGAATTCGTGTTTTAGTTCTAATTACACCTTCTGGTTAATC AAATTGGGACATCCCCTCCCACATCCTGTTATTAATTAAGCCATAGTCTAGTGTATA AAATCTGTTGATGTGTACAGCATCAAGTTAATTTCTCCTTTTCTGTCAAAAAAAAAA AAAAATAAAAAAAAAAAAAA
SEQ ID NO:220	Late	LPZ-177	GGTGCGATCCGATCCTAAGCGGGTGCATATATATAATGACAAGCTGTAGTAACTAA CTCTTGTGATGAGGCCATTGCTAACATAGCCTGTCCAATGCACATAGCAGTCAAAA AAAGCAAATAGCCGCCATGTTCCCATACACGAAGTAAGTACCCTCCCTATTGAGTC ACCTTACCCGCCGAGAGAGATCCCAATTCCATGTATTGCGTTAAGTAAGCCCTGCC AGCTATGTCCCACCCATGAAAGAAAGTACTGATCCGAGTGGATCGCACC
SEQ ID NO:221	Late	LPZ-179	GGTGCGATCCAACTGTGGTTATCGGTGGAGAGATTAAGCAATTTATTGGAGTAGC AAGTACGCTGAATTAAGGGGGTCCATATTCAAGCAAAGGTTCTTTGGATGACTAT GTGTTCTGGAAGTGTGTTATGGATCAATCATCTCATAAATTTTGGTAATATATAACAGA AGATTATGGCATCCAGTTAGGATGGTAGTTTCATTGAGGTATAGTAAAACTACACT AAGTCTTGTGTTGCCACCCACTTTTGAGAGAGGTCAGGAGGTCTCTTTGTGAATCA TTGATAACTTTATGAGTGGTACCTAATGAAATATTTGCATCTTGAATATATACTCAAT TGATCTTACTTGTGGATCGCACC
SEQ ID NO:222	Late	LPZ-181	CAATCTGTCTGCAATTGATATTATTGCATCCAGTAAACCAGATACACATTCACCACA ACATTAGAGACTCTAGAAGTTCCTTTGGCGACAGGCAAACTCATGATTACAGATAA TTGGAGTTTCCTCTAACCAGAGTCAAACGATCTAAAGGGATTTGTCTAGTCCCTCCAT TCCCTCATTCAATGAGGCGATGGCTTATGCCGTGACAACAGTTTCTATAGTTGCAT CCGCTCCTCTTGATCCCACAACATTTTTGTTGTTCTCTGCATCTTCTCCTCCCAT TCTCTGGCAGGGCTTCTCTAATGTTGTGAATACTTGCAAGGGCAAAATCTGCTCCC TCTGTTCCGATCGCACC
SEQ ID NO.223	Late	LPZ-182	GGTGCGATCCTCTCAGTTACGAGCTCAATTTGACCAGGGGTCTCGGCAAATTGA GGATCATGAGAAGCAGGGTATGCCCTTGAATGCCCTGAAGCCAGGGGAGTCTCAG GGCAATCACGAATGAAACCTGACAAACCCTAAGAAAACCCCTAGAGCGTGCCCTGC AGAAAGGGAATTCTTTTTGAGGCCGGCGGTCTTTCTGTCGTCTTCTCGCAGCCGTA
SEQ ID NO:224	Late	LPZ-186	GGTGCGATCCAGCAAGAGAACGAAAAAGGTATGAGAATCTATGAAATATTTGTACA TCACTGTATTGATATGAGGGCCTTTTTTTACAATGCCGTAGGGTTGTTTGGAGAATT AGAACCTGATTAATGATAGATGGATTCAAGCTTTTAGTGAAATGAGGCTCGGAAC GCAAGTATGCTGTCCACTTTGAGACTCATTCTTCTATAGTATCTGAAGCCAAAGCC
SEQ ID NO:225	Middle	LPZ-189	GGTGCGATCCCATGGGATAGTTGCAAAACACACAAATTTGTTGTGAAAGAAGAGAG ACACGCACAGACAACCATATGATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTCACTCTGCTGCACCATATATTTTTCATATAGCTGAAAACTTAGCCAT CCTTATATTGCAGGATTTCCGCATTCTAAAACAGGAAAACCTTCTATTACAAAAAG TTATATTCACTCTGCACTGATATGAGTGCCACTGCACCATATATTTTCATAGC TGAAAAGCTTAGCCAGCCTTATATTGCAGATTTTCTGTTTTCTGAAACAGGAATTAC AGGATCCATCACTGTACTCCTTTGCCTTCCTTGCCCGTTCATCATCCAACTACTAT ACGGATCGCACCA

LAW OFFICES

FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000